

CONTRACT CHANGE ORDER MEMORANDUM

DATE: 1/22/2013 Page 1 of 2

TO: Tony Anziano, Program Manager /			FILE: E.A. 04 - 0120F4	
FROM: Darryl Schram, Senior TE			CO-RTE-PM SF-80-13.2/13.9	
			FED. NO.	
CCO#: 72	SUPPLEMENT#: 1	Category Code: CBPT	CONTINGENCY BALANCE (incl. this change) \$93,692,438.99	
COST: \$1,651,903.00 INCREASE <input checked="" type="checkbox"/> DECREASE <input type="checkbox"/>			HEADQUARTERS APPROVAL REQUIRED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
SUPPLEMENTAL FUNDS PROVIDED: \$0.00			IS THIS REQUEST IN ACCORDANCE WITH ENVIRONMENTAL DOCUMENTS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CCO DESCRIPTION: Additional Cable Electrical			PROJECT DESCRIPTION: CONSTRUCT SELF-ANCHORED SUSPENSION BRIDGE	
Original Contract Time: 2490 Day(s)	Time Adj. This Change: 0 Day(s)	Previously Approved CCO Time Adjustments: 501 Day(s)	Percentage Time Adjusted: (including this change) 20 %	Total # of Unreconciled Deferred Time CCO(s): (including this change) 3

THIS CHANGE ORDER PROVIDES FOR:

Revising details for aviation, Main Span Aesthetic Light Pylon Marker Light (MAP), Main Span Aesthetic Light Downward Flood Light (MAD), and Main Span Safety Light Roadway Light (MSR) fixtures to support LED. Adding power supplies and relays to the suspender cable aviation lighting pull boxes. Adding remote aviation light monitoring box, LED driver box, and an additional aviation warning LED fixture at the Tower Head. Replacing fusible disconnects with non-fusible disconnect switches and adding LED driver boxes in pull boxes PB-1F servicing MAD and MSR light fixtures. Revising strong motion system locations and conduits. Modifying the light assembly support attachment to the stanchion posts. Painting the cable mounted pull box brackets and aviation light mounts. Modifying pull box brackets and performing an installation mockup. Installing revised handrope stanchion.

Revising Special Provisions Section 10-3.14 "LIGHTING," subsection "AVIATION WARNING SYSTEM."

Contract Change Order (CCO) 72 S0 modified the cable band stanchions and messenger cable. This change order will make additional changes to cable electrical items. CCO 167 changed MAP, MAD, and MSR to LED. This change order will change aviation lights to LED in order to reduce power consumption and maintenance costs. To support power and remote monitoring requirements needed for these LED fixtures, the conduits will be revised, power supply will be added to the pull boxes, and an aviation light monitoring box will be added to the Tower Head. Driver boxes are also being added to support the additional power supply needed for LED fixtures. An additional aviation light is added to the Tower Head to achieve the required light level and the mounting is revised to accommodate the additional light. Pull box brackets are modified to accommodate liquidtight flexible metal conduit fittings and resolve installation conflicts. Revisions to the fixtures have added weight to the stanchions resulting in increased installation costs.

Indirect costs including delays related to, but not limited to, Favco, additional maintenance expenses, and delays to removal of the T1 erection tower, platforms, stairs, and elevator will be addressed in a separate change order.

This change order resolves the costs associated with Contractor Request for Information (RFI) numbers 2033, 2700, 2780R0, 2780R1, 2784, 2889, 3068, 3074, 3076R0, 3076R1, 3077, 3089, 3105, and 3119 with respect to changes listed above.

The total cost of this change order is \$1,601,935.50 lump sum and \$49,967.50 increase in contract items for a total cost of \$1,651,903.00, which can be financed from the contingency fund. The cumulative total of CCO 72 S0 and S1 is \$2,340,581.00. A detailed cost analysis is on file.

No time adjustment is warranted as this change order does not affect the controlling operation.

This change order has concurrence from William Casey (Supervising TE), Tony Anziano (Program Manager), Rich Foley (HQ Oversight), Wenyi Long (Design Oversight), Lina Ellis (Maintenance), and Jing Chen (District Design).

This change order is pending approval from The Toll Bridge Program Oversight Committee (TBPOC).

CONTRACT CHANGE ORDER MEMORANDUM

EA: 0120F4 CCO: 72 - 1

DATE: 1/22/2013

Page 2 of 2

CONCURRED BY:			ESTIMATE OF COST		
Construction Engineer:	William Casey, Sup TE	Date 7/12/12	THIS REQUEST TOTAL TO DATE		
Bridge Engineer:	CT Oversight, Wenyi Long, P.E.	Date 7/13/12	ITEMS	\$49,967.50	\$49,967.50
Project Engineer:	District Design, Jing Chen	Date 7/16/12	FORCE ACCOUNT	\$0.00	\$0.00
Project Manager:		Date	AGREED PRICE	\$1,601,935.50	\$1,601,935.50
FHWA Rep.:	HQ, Rich Foley	Date 7/12/12	ADJUSTMENT	\$0.00	\$688,678.00
Environmental:		Date	TOTAL	\$1,651,903.00	\$2,340,581.00
Other (specify):	TB Program Manager, Tony Anzian	Date 7/30/12	FEDERAL PARTICIPATION		
Other (specify):	Struct. Maint, Lina Ellis	Date 7/13/12	<input type="checkbox"/> PARTICIPATING <input type="checkbox"/> PARTICIPATING IN PART <input checked="" type="checkbox"/> NONE <input type="checkbox"/> NON-PARTICIPATING (MAINTENANCE) <input type="checkbox"/> NON-PARTICIPATING		
District Prior Approval By:	HQ, Larry Salhaney	Date 8/16/12	FEDERAL SEGREGATION (if more than one Funding Source or P.I.P. type)		
HQ (Issue Approve) By:		Date	<input type="checkbox"/> CCO FUNDED PER CONTRACT <input type="checkbox"/> CCO FUNDED AS FOLLOWS		
Resident Engineer's Signature:		Date	FEDERAL FUNDING SOURCE PERCENT		
					